W1146-01

## (For Initial Filing)

The following references are submitted as information to comply with the duty of disclosure under 37 CFR 1.56(a):

		Disclose			Сору		Translation		
	References	specifica Yes	No	Enc.	Follow	Please obtain	Enc.	Not avail- able	
GJP	1. JP-A-2000-187938		Ο.	0			(only abstract)		
GJP	2. JP-A-9-162916		0	0			(only abstract)		
	3.	·							
	4.	·				·			
	5.	·							

Concise explanation (relevant portions)

EXAMINER: GARY J. PORTKA

10/28/05

•	FORM Commer Office								ark	ATTY. DOCKET NO. 500.43057X00			SERIAL NO. 10/649,687				
TI	E					ISCL					APPLICANT H. MATSUSHIGE, et al						
.10	7 2004					APPL	•					G DATE ust 28, 2003	-	GROUP			
'//o-	39	7					U	.S. P	ATE	NT	DOC	UMENTS					
רג <sub>ב</sub>	PERMINER INITIAL		2000	JMENT N	INRED						DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO	DATE	
•	GUP	2 0 0	0	0	0	2	4	4	0	1	/02	Sakai	- OBTO			· No.	
•	GJP	2	5	9	7.	4	0	5	8	10	/99	Burns et al			<u> </u>		
•	GJP		5	8	9	8	8	2	8	<b>†</b>	/99	Pignolet et al			<u> </u>		
•					<u> </u>	-		<del>  -</del>								· · · · · ·	
•															,		
•	FOREIG	SN F	ATE	NT I	DOC	UME	NTS										
•	•		DOCL	JMENT N	UMBER					0	DATE	COUNTRY	CLAS	SUBCLASS	ABSTRACT		
_	0.0			r—	T -	1	T	<u> </u>	1	-	*** *		<u> </u>	<u> </u>	YES	NO	
	GJP	-	1	3	-5	3	2	6	4	10.	/03	European	<del> </del>		,	<u> </u>	
•		<u> </u>	-		<del> </del>	╁	<del> </del>	<del> </del>		<del> </del>			+				
		<u> </u>	<u> </u>	<u> </u>	ļ .	.L	1	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	
	OTHER	DO	CUN	IENT	S (lı	nclu	ding	Auth	or, T	<u> itle</u>	, Dat	e, Pertinent Pag	jes, E	itc.)			
	<del></del>															· 	
		-	-						_								
	EXAMINE	ER	GA	RY	٦.	Por	TKA	DA	TE CC	ONSI	DER	ID 10/28/	05				
-	EXAMINE consider	R:	Initial Includ	if cit de co	ation py of	is co this f	nside orm v	red, c	fraw I	ine t	hroug	gh citation if not in ation to applicant.	confo	rmance and	not		
_												/F DTO 4440 IO	431				

	FORM Comme	PTC rce (	<b>)-144</b> Rev.	9 U 4/92)	.S. D Pate	epart	ment d Tra	of idema	ark		Y. DOCKET NO.		SERIAL NO.					
<b>/</b> P	Office E			MATI						APP	LICANT MATSUSHIGE, et al		10/649,687	<u> </u>				
<b>5</b> `.	3 0 2004	S S		EMEN several				IT		FILI	FILING DATE GROUP August 28, 2003							
ું. ઉદ્દી-	JAR						U	.S. P	ATE		F DOCUMENTS							
-¥γΩ	EXAMINER INITIAL		DOC	UMENT N	UMBER					DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO	DATE PRIATE			
	GJP		5	1	5	5	6	3_	8_	10/92	Aikawa et al				1			
	1		5	4	3	0	8	5	5	7/95	Walsh et al	<u> </u>		26				
_			6	5	3	0	0	0	7	3/03	Olarig et al				<u> </u>			
		2 0 0 2	0	0	0	4	8	9	2	1/02	Gans et al	(						
		2 0 0 2	0	0	5	3	0	1	0	5/02	Piccirillo et al							
-	GJP	2 0 0 3	0	1	4	0	2	0	7'	7/03	Nagase et al							
_		-				_			_						:			
-	FOREI	GN F	ATE	NT (	OOC	UME	NTS	<u> </u>	<u></u>	L								
_	• • •		DOCL	JMENT N	JMBER					DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT				
_		-				r	Γ	, —	r		<u> </u>			YES	NO			
_		├				_												
-		_		-					<u> </u>	•		<b> </b>						
-		<u>L</u>	<u> </u>	<u>l</u>	<u></u>	L	<u> </u>	<u></u>	<u> </u>	<u> </u>	<u></u>	L	1	·				
	OTHER	DO	CUN	IENT	S (In	clud	ling .	Auth	or, T	itle, Da	te, Pertinent Pag	es, Et	c.)	<del></del>	<del></del>			
-		┢		<del></del>											_			
-	<del></del>	1			·						· · · · · · · · · · · · · · · · · · ·	·						
	EXAMIN	ER (	<u>-</u> -A1	۹۲ ر	). P	ORT	ΓKA	DAT	re co	NSIDER	ED 10/28/05	5	<u> </u>					
	EXAMIN	ER: I	nitial	if cita	tion i	is cor	ıside	red, d			gh citation if not in ation to applicant.	conform	nance and r	ot				
=								<del></del>			(Form PTO-1449 [6-	41)						

FORM PTO-1449 U.S. Department of ogmerce Patent and Trademark Office **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT (Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
500.43057X00	10/649,687
APPLICANT H. MATSUSHIGE, et al	
FILING DATE	GROUP

					U.	S. P.	ATE	NT DOC	UMENTS					
	DOCI	IMENT N	UMBER					DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	4	9	4	9	0_	5	1	8/90	Viola			·		
	6	0	6	9	9	2	7	5/00	Kikuchi					
	5	8	9	8	8	2	8	4/99	Pignolet et al					
	5	4	3	0	8	5	5	7/95	Walsh et al					
	5	5	1	2	8	6	0	4/96	Huscroft et al					
	5	8	9	8	8	2	8	4/99	Pignolet et al					
	6	2	6	6	3	8	3	7/01	Kikuchi					
	6	3	9	2	4	9	5	5/02	Larsson				'	
	6	5	3	0	0	0	7	3/03	Olarig et al					
N F	ATE	NT [	DOC	UME	NTS									
	]							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT		
		γ	ı	<u> </u>	Τ			<u> </u>				YES	NO	
0	3	0	3_	4	6	4	7	4/03	PCT	1		XX		
	1	1	0	4	1	1	3	9/02	European	<u> </u>				
	0	8	6	6	5	5	9_	9/98	European			ļ .	,	
				ļ										
DO	CUN	IFNT	S (Ir	cluc	lina	Δuth	or 1	Title Dat	te Pertinent Pa	ges Ft	c )			
			<u> </u>	ioiac		744	<u> </u>	ruo, Du	, , , , , , , , , , , , , , , , , , ,	goo, Et	<u>.,                                    </u>			
		·····				<del>.</del>								
	1													
	0	4 6 5 5 5 5 6 6 6 6 6 6 0 0 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 9 6 0 5 8 5 4 5 5 5 8 6 2 6 3 6 5  SIN PATENT I  DOCUMENT N 0 3 0 1 1 0 8	6 0 6 5 8 9 5 4 3 5 5 1 5 8 9 6 2 6 6 3 9 6 5 3 6 5 3 6 DOCUMENT NUMBER 0 3 0 3 1 1 0 0 8 6	4 9 4 9 6 0 6 9 5 8 9 8 5 4 3 0 5 5 1 2 5 8 9 8 6 2 6 6 6 3 9 2 6 5 3 0 6 5 3 0 6 PATENT DOCUME  DOCUMENT NUMBER  0 3 0 3 4 1 1 0 4 0 8 6 6	DOCUMENT NUMBER  4 9 4 9 0 6 0 6 9 9 5 8 9 8 8 5 4 3 0 8 5 5 1 2 8 5 8 9 8 8 6 2 6 6 3 6 3 9 2 4 6 5 3 0 0  SIN PATENT DOCUMENTS  DOCUMENT NUMBER  0 3 0 3 4 6 1 1 0 4 1 0 8 6 6 5	DOCUMENT NUMBER	DOCUMENT NUMBER	DOCUMENT NUMBER	4	DOCUMENT NUMBER	DOCUMENT NUMBER	DOCUMENT NUMBER	

EXAMINER GARY J. PORTKA DATE CONSIDERED 10/28/05

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO	-1449	) Ų	.s. D	epart	ment	of		ATTY	. DOCKET NO.		SERIAL NO.					
							-	500.	500.43057X00 10/649,687							
									APPLICANT H. MATSUSHIGE, et al							
d	(Use s	everal	sheets	if nece	ssary)	_			FILING DATE GROUP							
<b>y</b>					U	.S. P	ATE	NT DOC	UMENTS							
	DOCU	MENT N	UMBER					DATE	NAME	CLASS	SUBCLASS	FILING (	DATE PRIATE			
2 0 0 1	o	o	3	3	4	0	7	10/01	Cao							
2 0 0 2	0	0	5	3	0	1	0	5/02	Piccirillo et al				·			
2 0 0 2	0	0	3	3	7	1	4	3/02	Perrott	·						
	ļ	ļ	ļ		<u> </u>	ļ						ļ				
<u> </u>		ļ	<u> </u>		<u> </u>											
		<u> </u>	L	İ	<u> </u>											
SN F	T			UME	NTS				<u> </u>	1	1	1				
	DOCU	MENT N	UMBER					DATE	COUNTRY	CLASS	SUBCLASS					
												155	NO			
T																
<del>                                     </del>					<u> </u>											
DO	CUM	FNT	S (Ir	cluc	lina	Δuth	or T	itle Dat	e Pertinent Pa	ges Fi	(c )					
							<u> </u>		,							
									<del></del>							
	1					·										
ER (	FAR	YJ	. Pc	RTI	< <b>A</b>	DA	TE CO	NSIDER	ED 10/28/05	5						
	2 0 0 1 2 0 0 2 2 0 0 2 2 0 0 0 2 2 0 0 0 2 0 0 0 2 0	OOCU   2   O   O   O   O   O   O   O   O   O	DOCUMENT N   INFORMATION DISTATEMENT BY  (Use several sheets  DOCUMENT NUMBER  2 0 0 3 0 1 2 0 0 5 0 0 2 0 0 3 O 0 2 0 0 0 COUMENT NUMBER  SN PATENT DOC	INFORMATION DISCLOSTATEMENT BY APPL  (Use several sheets if neces  DOCUMENT NUMBER  2 0 0 3 3 0 0 1 2 0 0 3 3 0 0 2 2 0 0 3 3 O 0 0 2 O 0 0 5 3 O 0 0 0 5 0 O 0 0 0 0 0 0 O 0 0 0 0 0 0 O 0 0 0 0	INFORMATION DISCLOSUR STATEMENT BY APPLICAN (Use several sheets if necessary)  DOCUMENT NUMBER  2 0 0 3 3 4 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U.S. P    DOCUMENT NUMBER	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  U.S. PATEN  DOCUMENT NUMBER  2 0 0 3 3 4 0 7 0 1	SOUTH   SOUT	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  U.S. PATENT DOCUMENTS  DOCUMENT NUMBER  DOCU	Colument Number	SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   STATEMENT BY APPLICANT   Country   Coun	Solution   10/649,687   10/64				

## SERIAL NO. ATTY, DOCKET NO. FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office 10/649,687 500.43057X00 INFORMATION DISCLOSURE **APPLICANT** STATEMENT BY APPLICANT JUL 2 8 200 H. MATSUSHIGE, et al GROUP (Use several sheets if necessary) FILING DATE August 28, 2003 **U.S. PATENT DOCUMENTS** FILING DATE EXAMINER INITIAL DATE CLASS SUBCLASS DOCUMENT NUMBER FOREIGN PATENT DOCUMENTS SUBCLASS ABSTRACT CLASS COUNTRY DOCUMENT NUMBER YES NO XX GJP 2 2 9/98 European 2 0 8 6 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER GARY J. PORTKA DATE CONSIDERED 10/28/05 EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM Comme									1	y. DOCKET NO.		SERIAL NO		
OIP	48	IFOR TATE	MATI	ON D T BY	ISCL( APPL	OSUF LICAN	RE IT		APP	LICANT MATSUSHIGE, et	al	10/043,0	<u> </u>	
SEP 0 6 2	1	(Use:	several _	sheets	if nece	essary)			FILIN	NG DATE Just 28, 2003		GROUP		
TO TRADEMA	AL OF					U	.S. F	ATE	NT DOC	UMENTS				
EXAMINER INITIAL		DOC	JMENT N	UMBER					DATE	NAME	CLAS	S SUBCLAS	FILING	
GJP	2 0 0 2	0	1	9	9	0	5	1	12/02	Fukae et al				
		<u>.                                    </u>	<u> </u>	<u> </u>								_		
FOREI	GN F	ATE	NT	DOC	UME	NTS								
		DOC	JMENT A	IUMBER					DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	<del></del>
GJP	<del>                                     </del>	0	8	6	2	2	7	2	9/98	European		,	YES Eng.Trans.	NO
GJP	2 0 0 2	3	5	9	6	6	1		12/02	Japan				хх
	<u> </u>					ļ		ļ						
			L	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u></u>	<u></u>	<u> </u>	<u> </u>		
OTHER	DO	CUN	1EN	ΓS (I	nclu	ding	Auti	nor, T	itle, Da	te, Pertinent P	ages,	Etc.)		
									<u></u>				<u> </u>	
		<u> </u>										· · · · · · · · · · · · · · · · · · ·		
						_				<u></u>				
EXAMIN	ER	GA	RY	J. f	OR'	rka	DA	TE CC	NSIDER	ED 10/28/0	5			
										gh citation if not ation to applican		ormance a	ind not	